

METHOD AND APPARATUS FOR COMBINING GENE PREDICTIONS
USING BAYESIAN NETWORKS

ABSTRACT OF THE DISCLOSURE

Computer based apparatus and method automates gene prediction in a subject
5 genomic sequence. A plurality of expert systems provide preliminary or intermediate
gene predictions. A Bayesian network combiner combines the intermediate gene
predictions and forms a final gene prediction. The final gene prediction accounts for
dependencies between individual expert systems and dependencies between adjacent
parts of the subject genomic sequence.

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